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WHAT IS CLAIMED IS

- 5 1. An induction motor, comprising:
two rotors coaxially arranged on a shaft, a first one
of the rotors having a first winding and a second one of the
rotors having a second winding, said first winding being coupled
to the second winding with reverse electrical polarity;
10 two stators, each of the stators being coaxially
arranged around a different one of the two rotors; and
wherein one of the stators is mounted for rotation
relative to the other stator.
- 15 2. The induction motor of claim 1 wherein each of the
stators comprises a polyphase structure.
3. The induction motor of claim 1 further comprising a
capacitor coupled to the first winding.
- 20 4. An induction motor, comprising:
first and second rotors coaxially arranged on a shaft,
each of the rotors having a winding;
a resistor coupled between the windings of the first
25 and second rotors;
a capacitor connected in parallel to the resistor; and
first and second stators, the first stator being
coaxially arranged around the first rotor and the second stator
being coaxially arranged around the second rotor.
- 30 5. The induction motor of claim 4 wherein the resistor
comprises a potentiometer.

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6. The induction motor of claim 4 further comprising a choke connected in parallel with the capacitor.

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7. The induction motor of claim 4 further comprising a worm screw coupled to the first stator to rotate the first stator with respect to the second stator.

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